QLOGIC

Release Notes

SANsurfer iSCSI HBA CLI

Version: 1.00.39.07

HBA Support: QLA4010, QLA4010C, QLA4050C, and QLA4052C

OS Support: Windows 2000 (IA32), Windows XP (IA32, x64), Windows Server 2003 (IA32, x64)
Solaris 8, 9, 10 (SPARC)
Solaris 10 (IA32, x64)
Red Hat Linux 2.1, 3.0, 4.0, SuSe Linux 8, 9, 10 (IA32)
SuSe Linux 9, 10 (x64)
Red Hat Linux 3.0, 4.0 (x64)

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1. Overview

This document provides details of the modifications and/or enhancements made to QLogic's SANsurfer iSCSI HBA CLI application. The initial and prior release of SANsurfer iSCSI HBA CLI version 1.00.36.02 supported features for local hosts include:

- Asset Management, which enables users to:
  - View details about attached iSCSI HBAs.
  - View details about iSCSI devices and LUNs connected to the iSCSI HBAs.
- Configuration Management, which enables users to:

    - Configure QLogic iSCSI HBAs.
    - Configure connections to iSCSI targets.
    - Display LUN properties.
    - Update firmware.
    - Update BIOS and ROM.
    - Update BIOS Boot targets.
    - Use comprehensive Restore Factory Defaults feature (405x).
    - Use VLAN Configuration (405x).
    - Use ZIO Configuration (405x).
    - Perform iSCSI Boot configuration (disable, manual, DHCP for 405x).
- Statistics, which are available for each iSCSI HBA.
- Diagnostics, which enable users to ping a target to verify connectivity between HBA port and a target.
- Advanced Diagnostics, which enables users to perform:
    - read/write buffer tests.
    - internal loop back tests.
    - external loop back tests.
- VPD (Vendor Private Data), which enables users to display Vendor Private Data.
- HBA State and Target Session Connection State Display:
    - Displays QLogic iSCSI HBAs and displays their state.
    - Displays target connections and displays their state.
- Supported Cards: QLA4010, QLA4010C, QLA4050C, and QLA4052C.

2. Enhancements

This release of SANsurfer iSCSI HBA CLI version 1.0.39.07 includes the following additional features:

- Asset Management, which enables users to:
    - Clone all or parts of pre-saved HBA configuration for HBA replacement, quick configuration duplication, or to ensure consistent configurations.
    - Save Host configuration to text file.
- Configuration Management, which enables users to:
    - Install and Update driver (Windows only).
    - Configure boot target iSCSI connection parameters when booted to the iSCSI target.
    - Configure for optimal performance using new HBA firmware parameters and target connection parameters.
    - Display target configuration.
    - Configure iSCSI name.
    - Configure BIDI CHAP for targets.

3. Bug Fixes

N/A

4. Known Issues

After installing the drivers, you must restart the iscli to view HBAs, even if a message does not prompt you to reboot the system.

For latest notes and known issues, please review the file `Readme.txt` distributed with the installation package or `Readme.txt` located in the installation directory.

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7. Additional Information

The following O/S versions were used during qualification:

- Windows 2000/SP4 Server and Advanced Server (SP4 released from Microsoft)
- Windows 2003 SP1 IA-32, x64 Server and Enterprise Server
- Windows XP IA-32, x64 Server and Enterprise Server
- Red Hat Linux AS 2.1/3.0/4.0 IA-32 versions
- Red Hat Linux AS 3.0/4.0 x64 versions
- SuSE Linux ES 8, 9 IA-32 versions
- SuSE Linux ES 9 x64 versions
- Solaris (SPARC) 9, 10
- Solaris (x86) 10

The following BIOS/driver versions were used during qualification:

- BIOS
    - v1.11 QLA4010
    - v1.08 QLA4052C/QLA4050C
- FCODE
    - v1.07 QLA4050C/QLA4052C
- Driver
    - Windows 2000,2003 SCSI Miniport ql4010.sys v2.1.3.3
    - Windows 2003 STOR Miniport ql4010.sys v2.1.3.7
    - Linux (SuSE 8.0, Red Hat 2.1, 3.0) qla4010.o v3.27
    - Linux (SuSE 9.0) qla4010.o v5.00.07
    - Solaris (SPARC) v4.04
    - Solaris (IA-32,x64) v4.04
- Firmware
    - v3.0.0.16 QLA4010
    - v2.0.0.38 QLA4052C/QLA4050C

The following HBAs were used during qualification:

- QLA4010
- QLA4010C
- QLA4052C
- QLA4050C

8. Contacting Support

Please feel free to contact your QLogic approved reseller or QLogic Technical Support at any phase of integration for assistance. QLogic Technical Support can be reached by the following methods:

Web: http://support.qlogic.com

North America Contact Information
Email: support@qlogic.com
Phone: (952) 932-4040

Support contact information for other regions of the world is available at the QLogic website:
http://support.qlogic.com

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